

Fig. 1

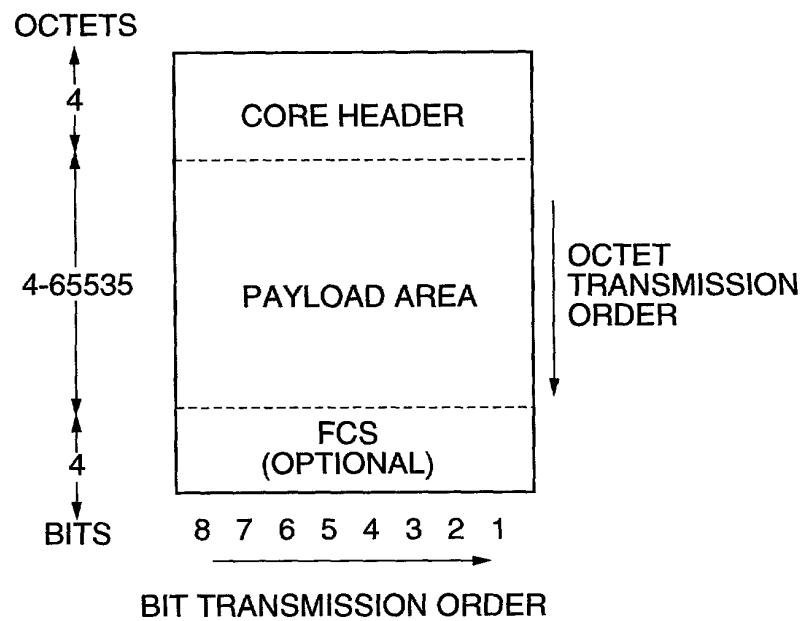


Fig. 2

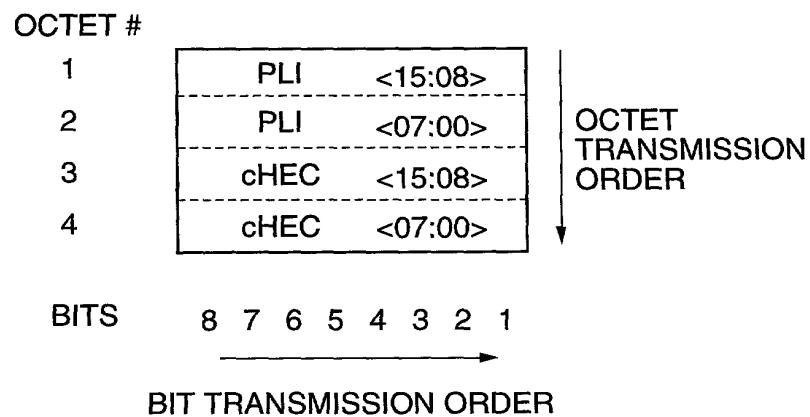


Fig. 3

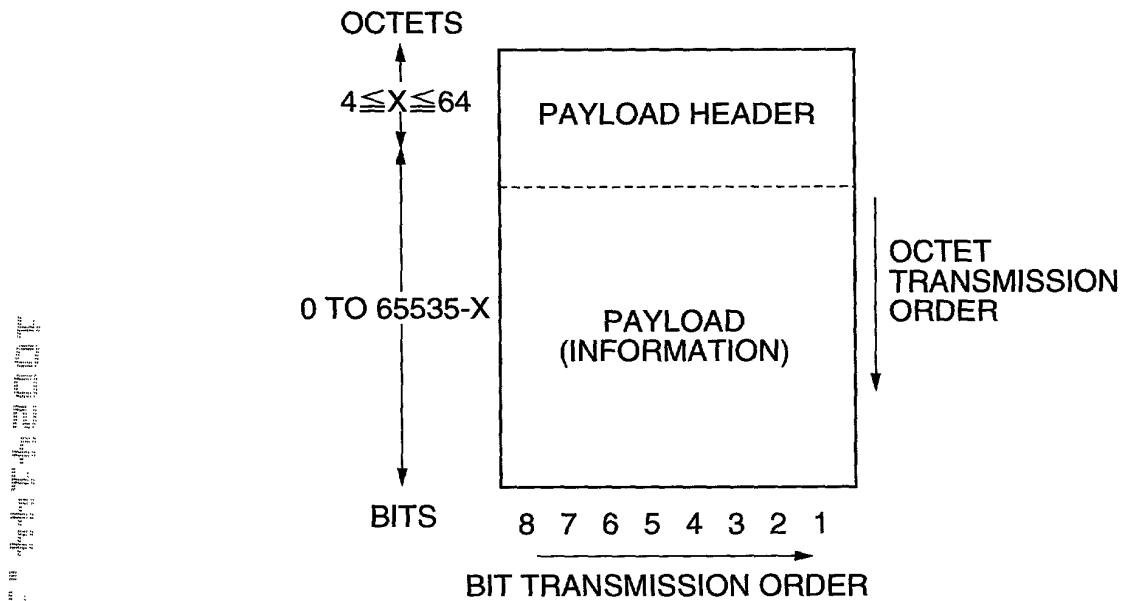


Fig. 4

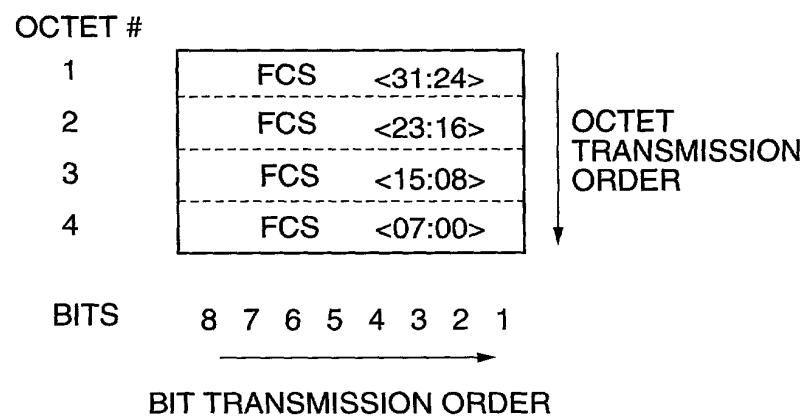


Fig. 5

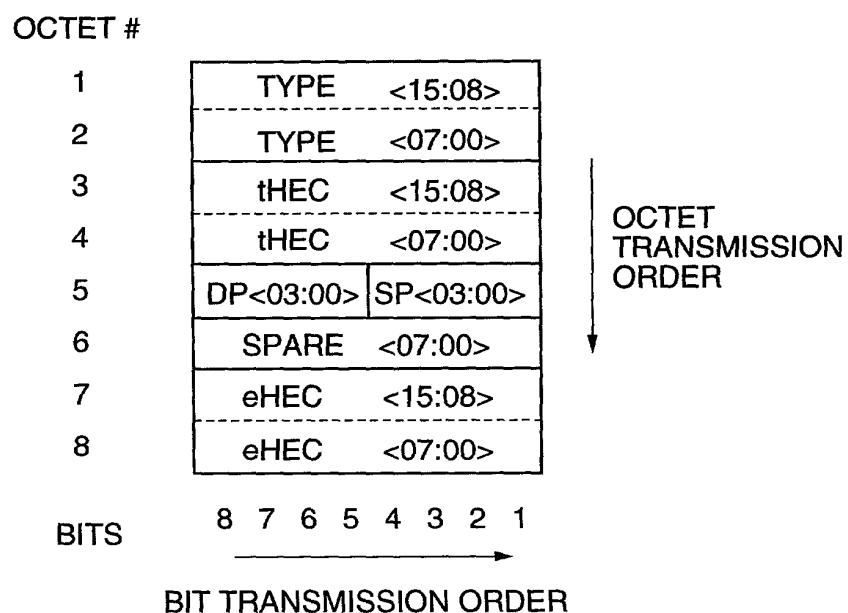


Fig. 6

OCTET

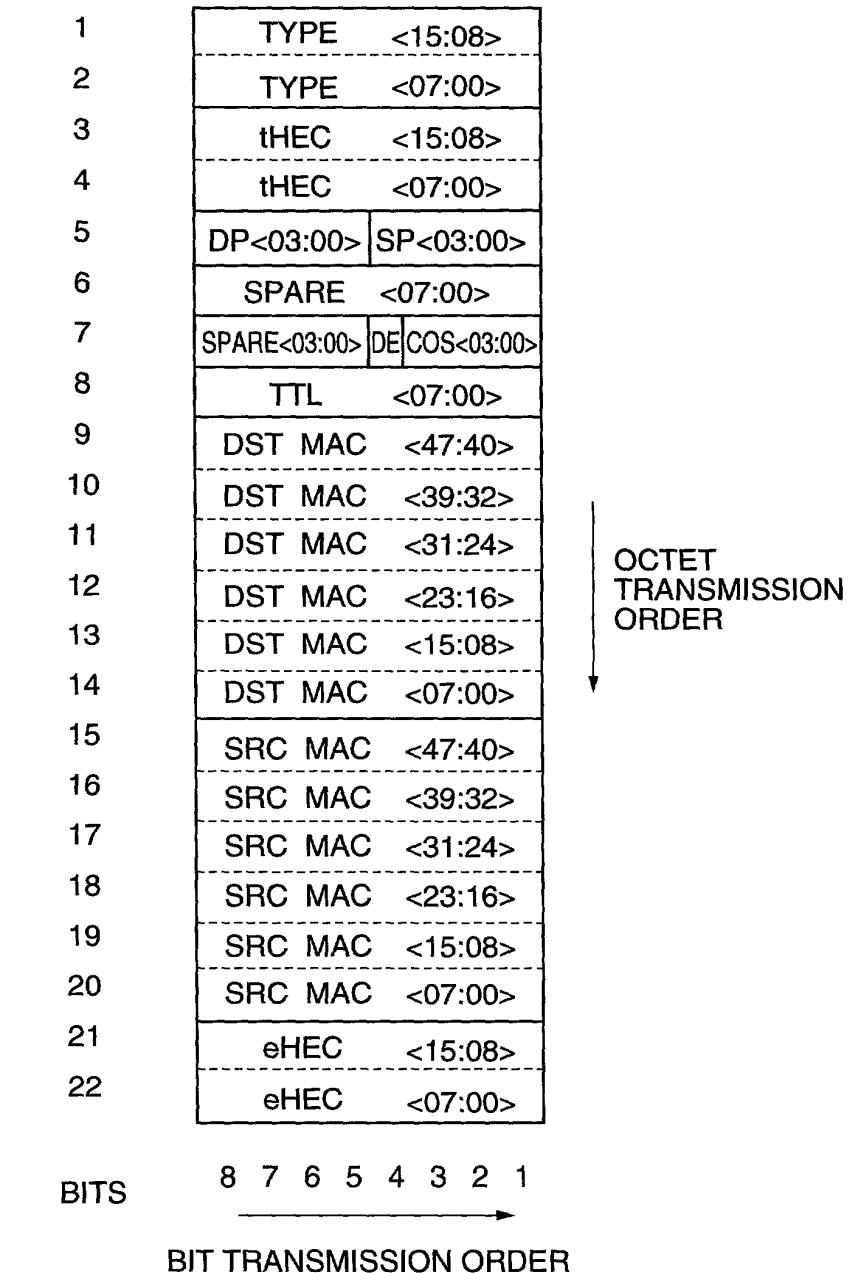
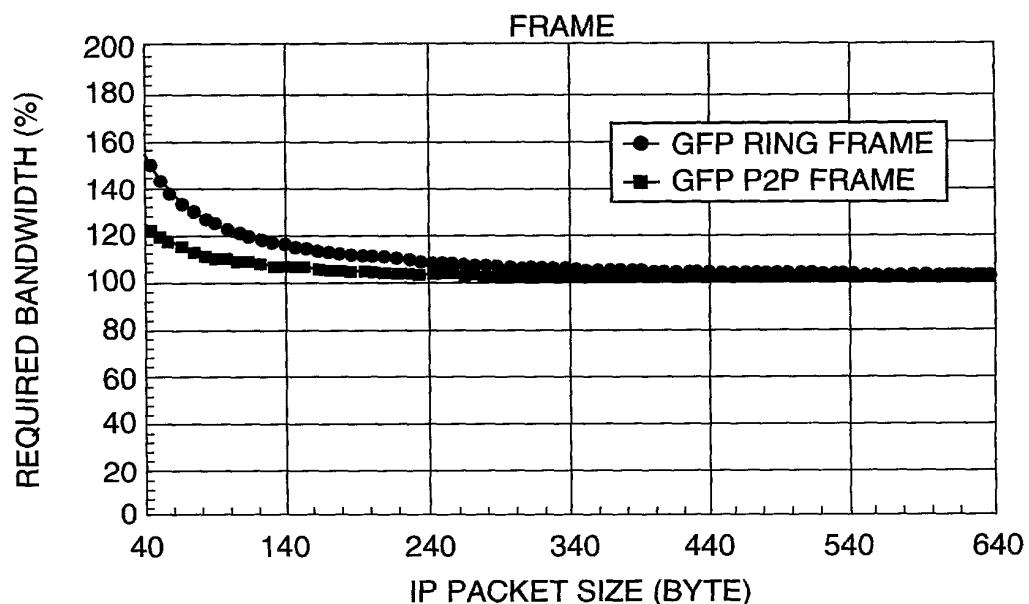


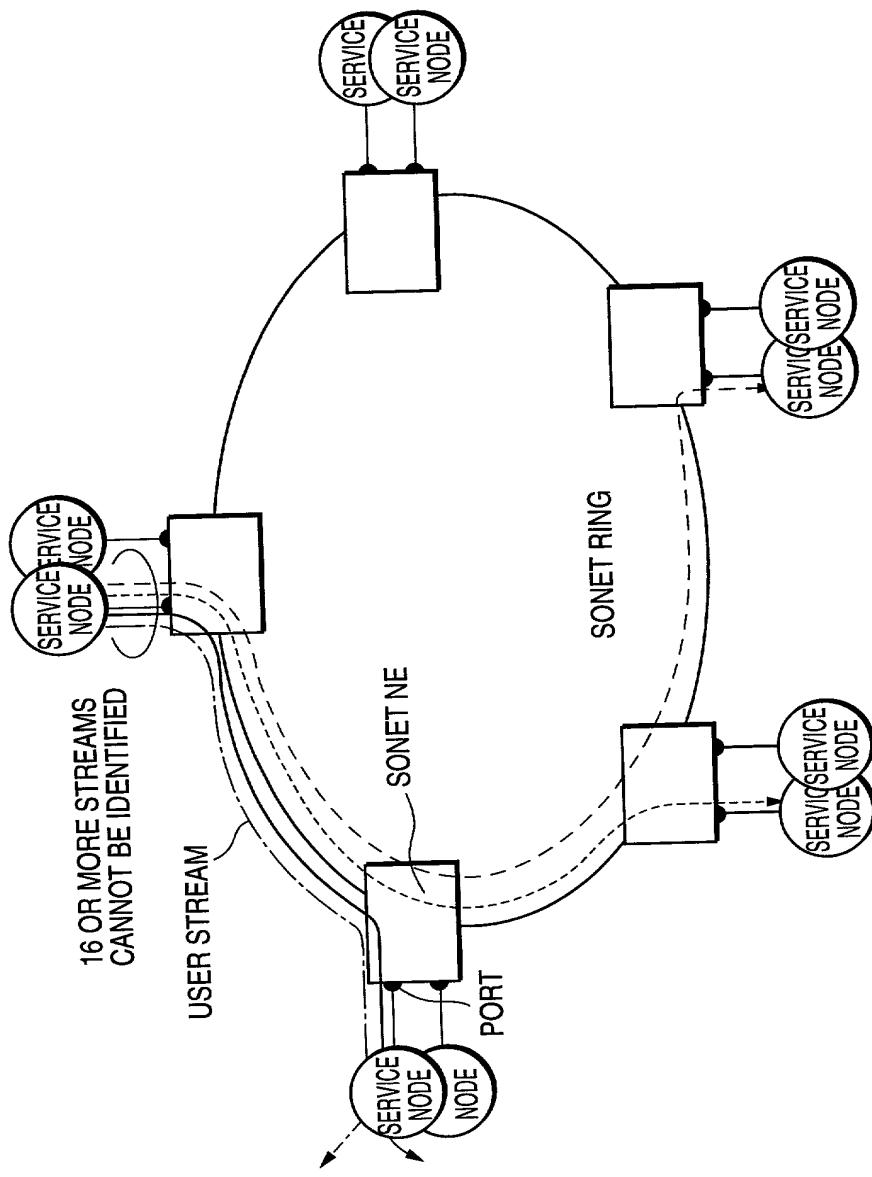
Fig. 7

REQUIRED BANDWIDTH WHEN TRANSMITTING PPP FRAME INTO GFP



OVERHEAD BY RING AND P2P FRAME FOR HDLC

Fig. 8

**Fig. 9**

USER STREAM MULTIPLEXING ON SONET RING

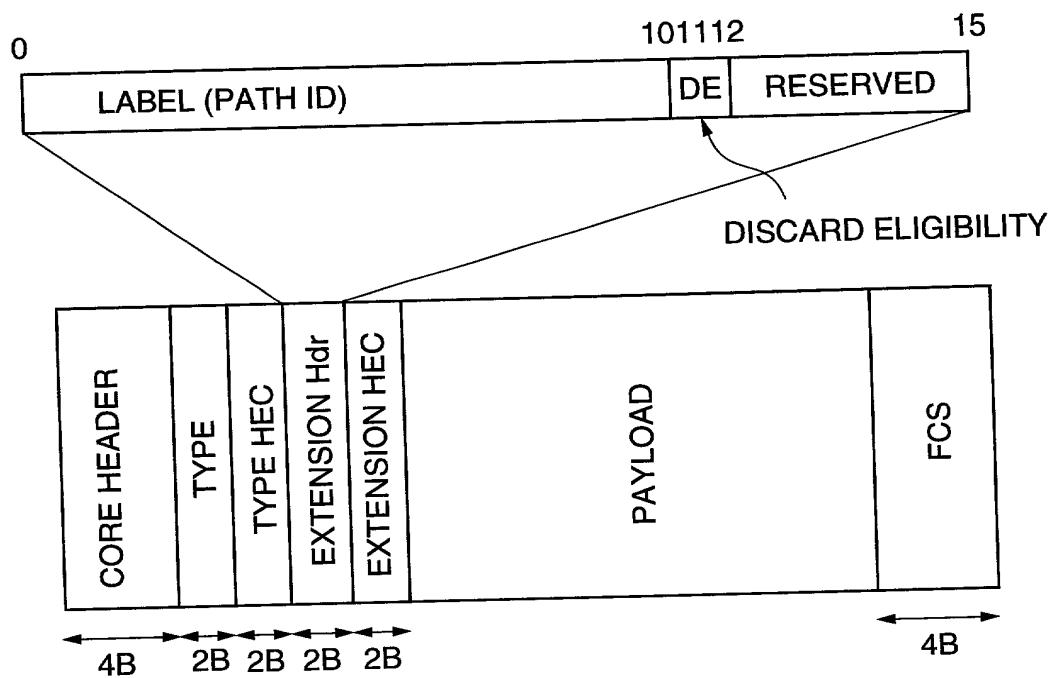


Fig. 10

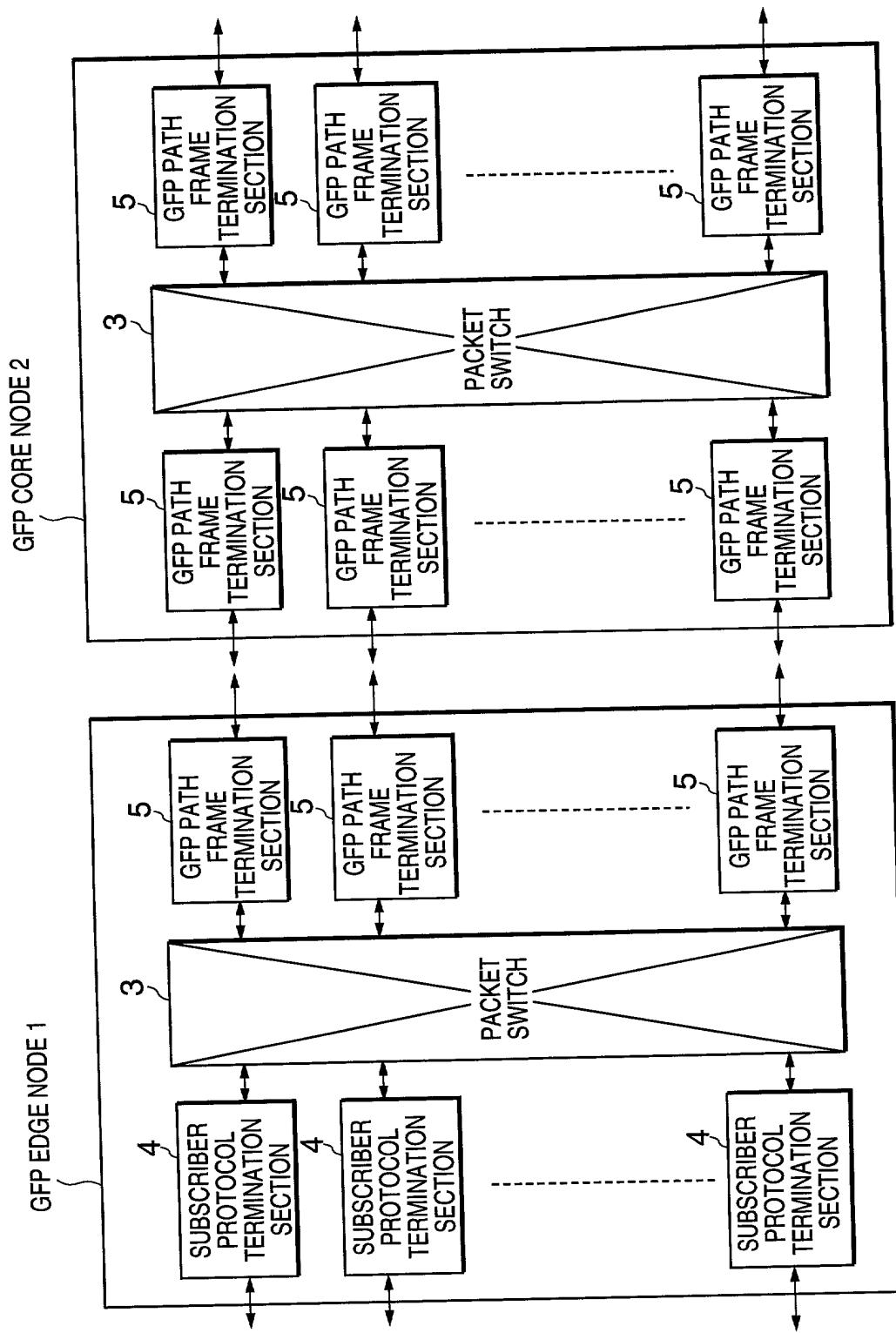


Fig. 11

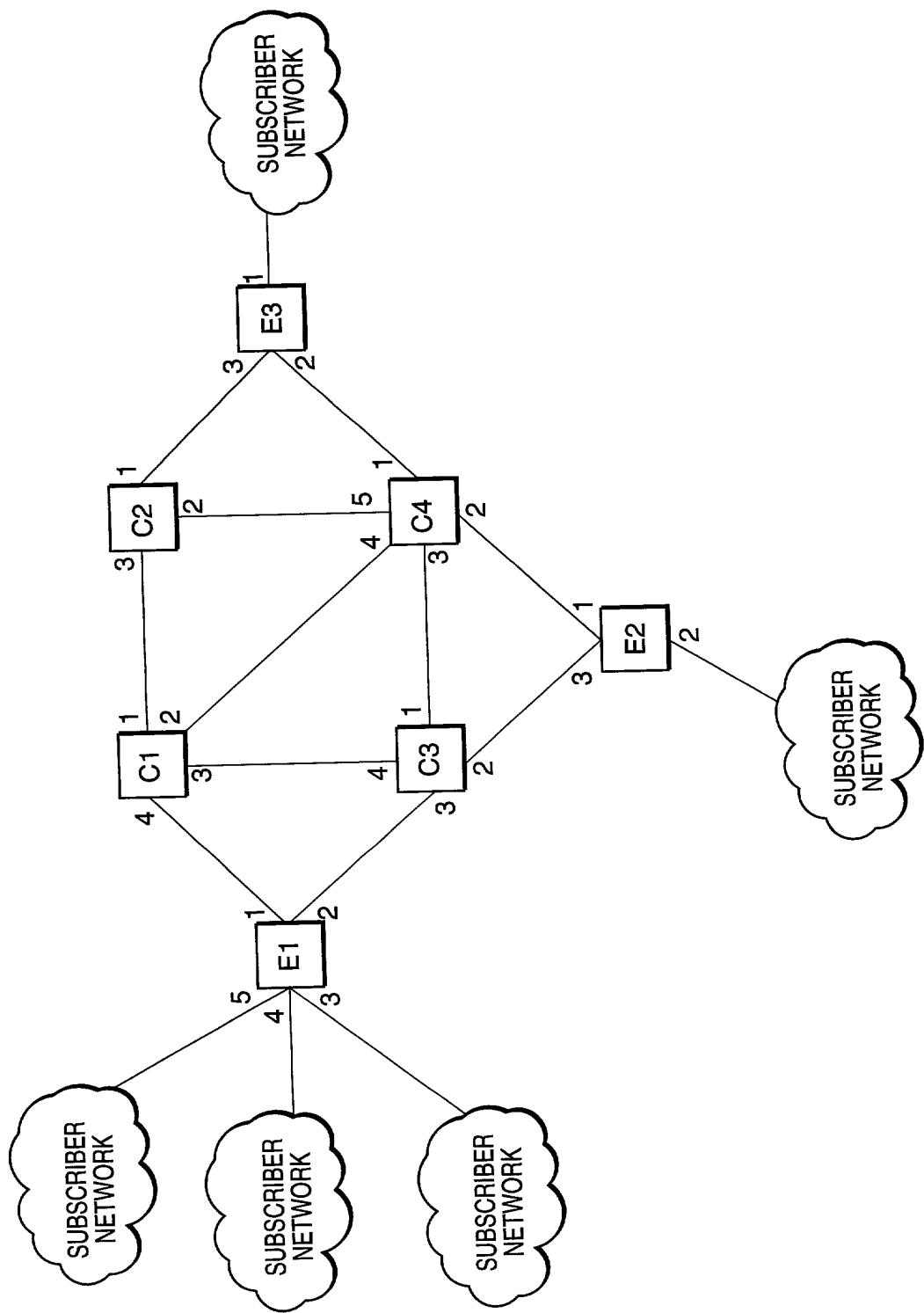
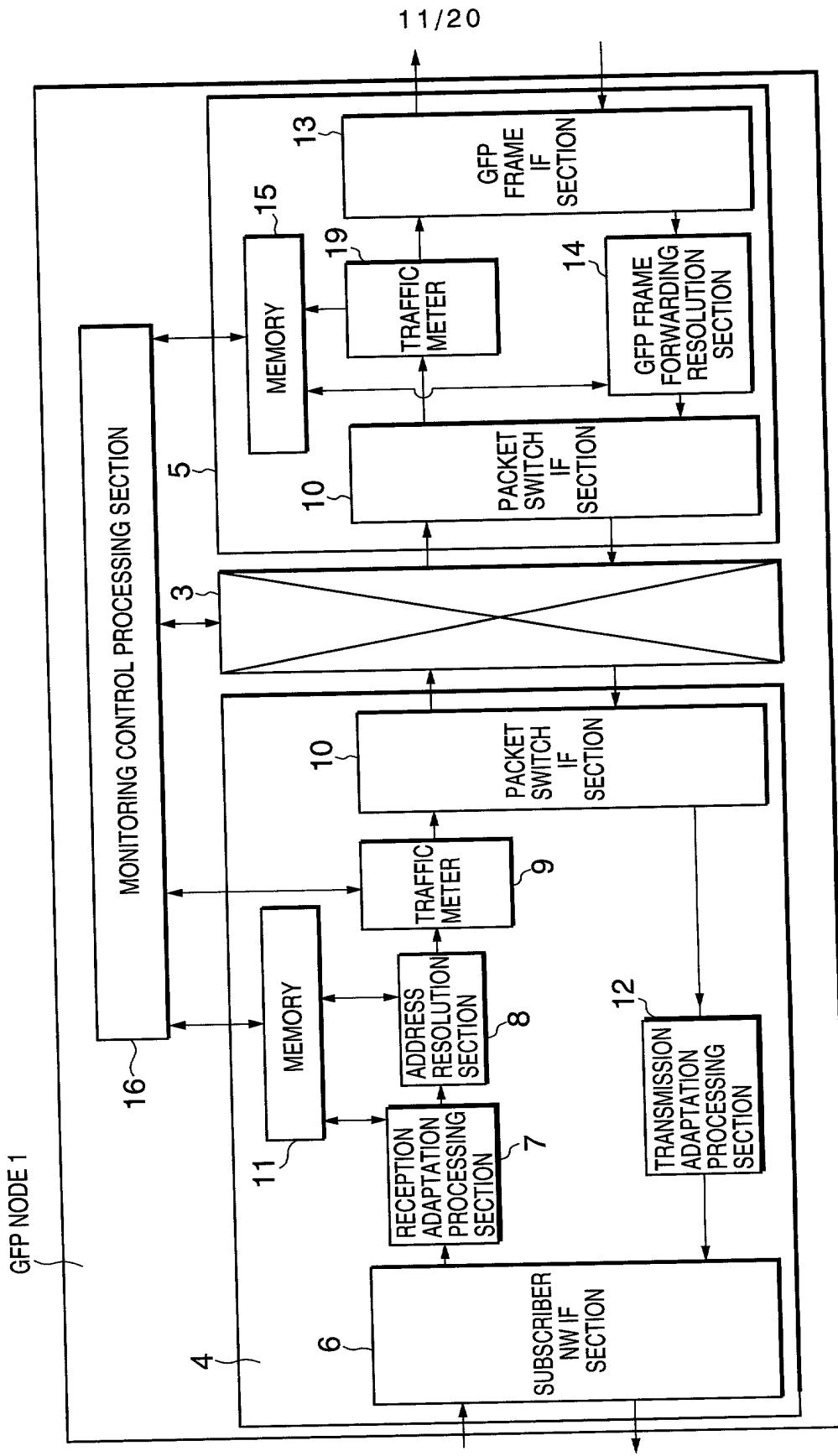


Fig. 12

Fig. 13



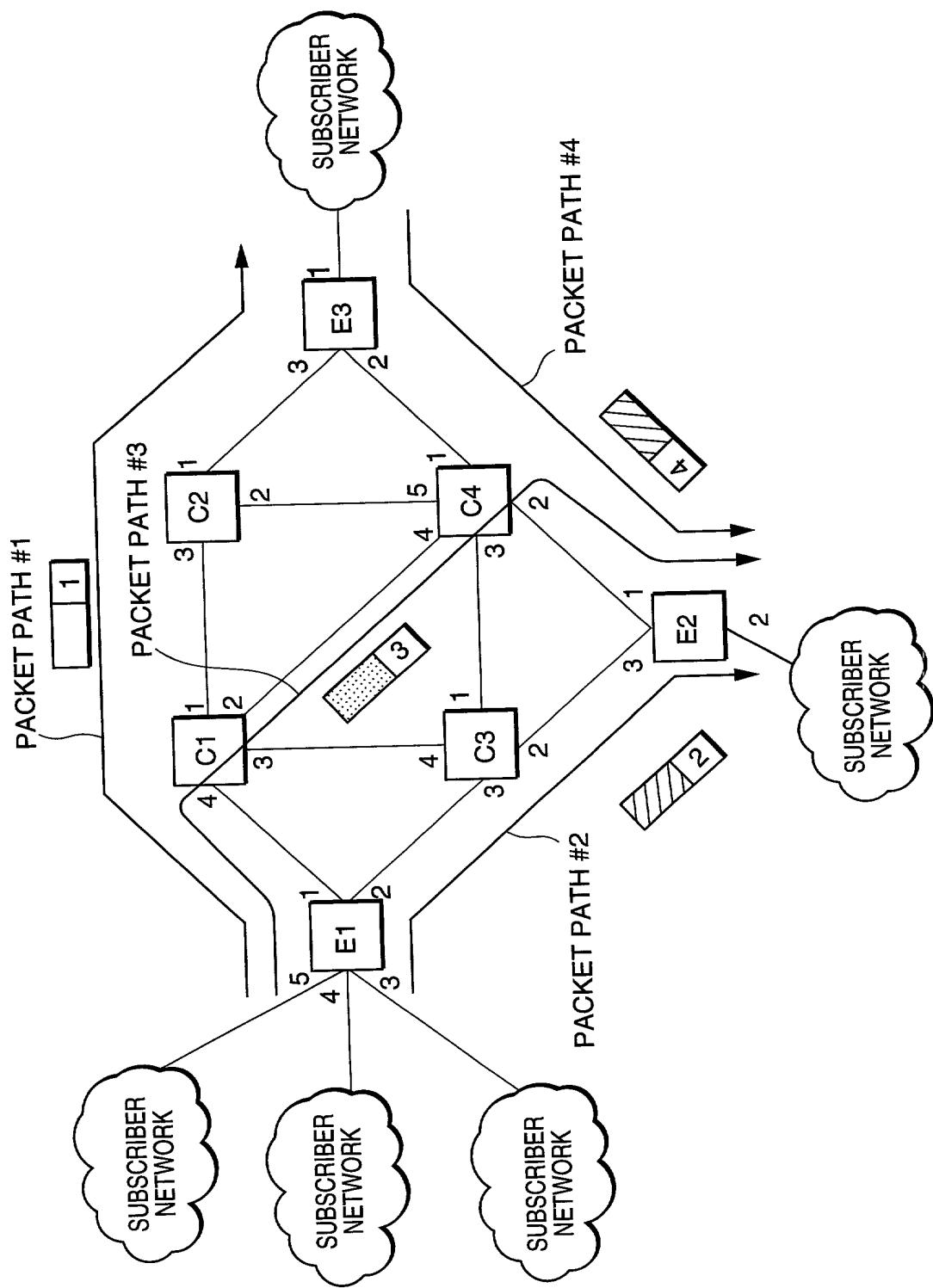


Fig. 14

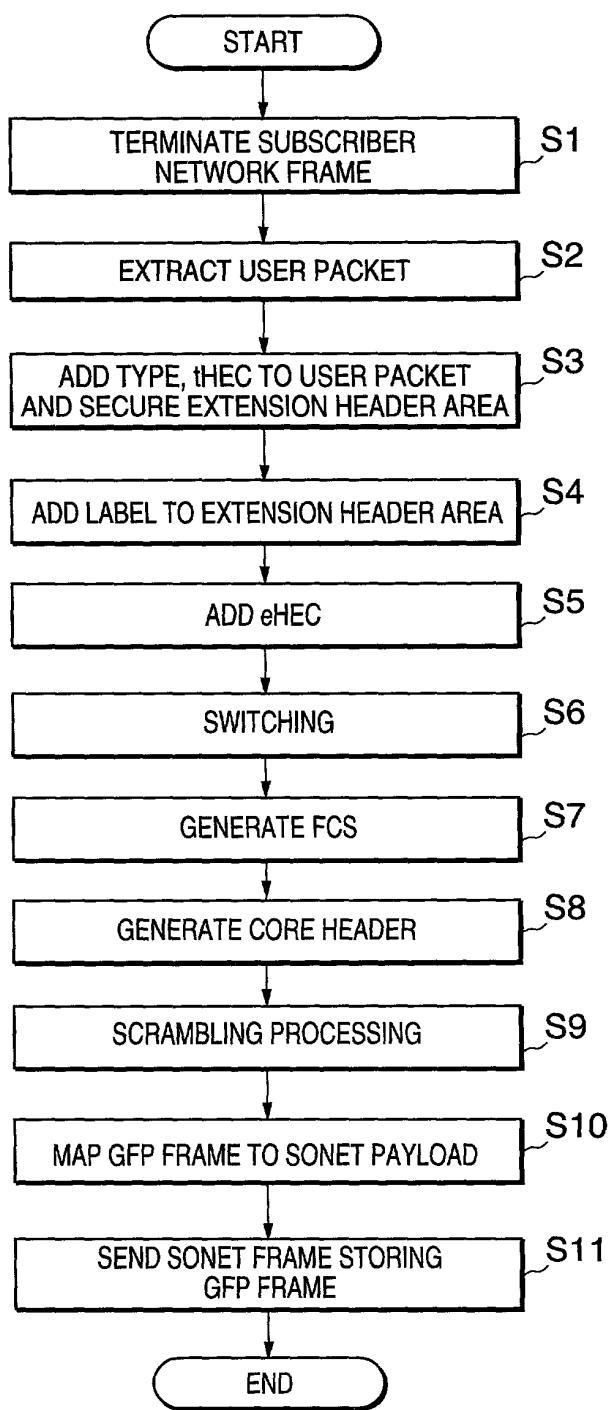


Fig. 15

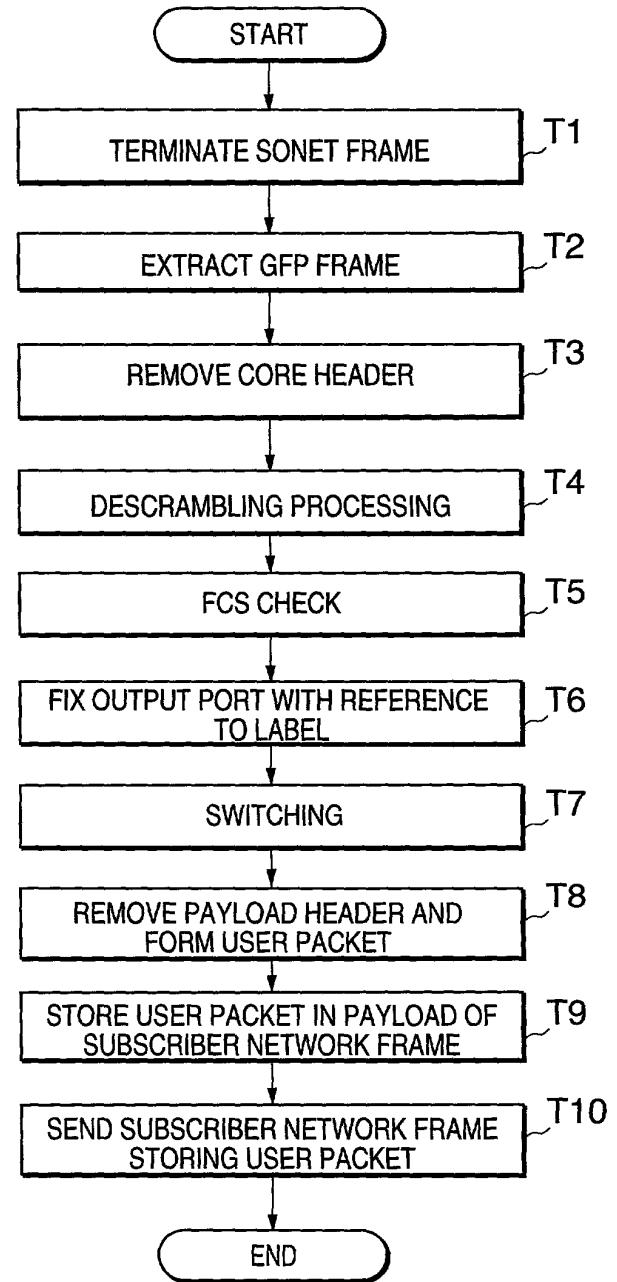


Fig. 16

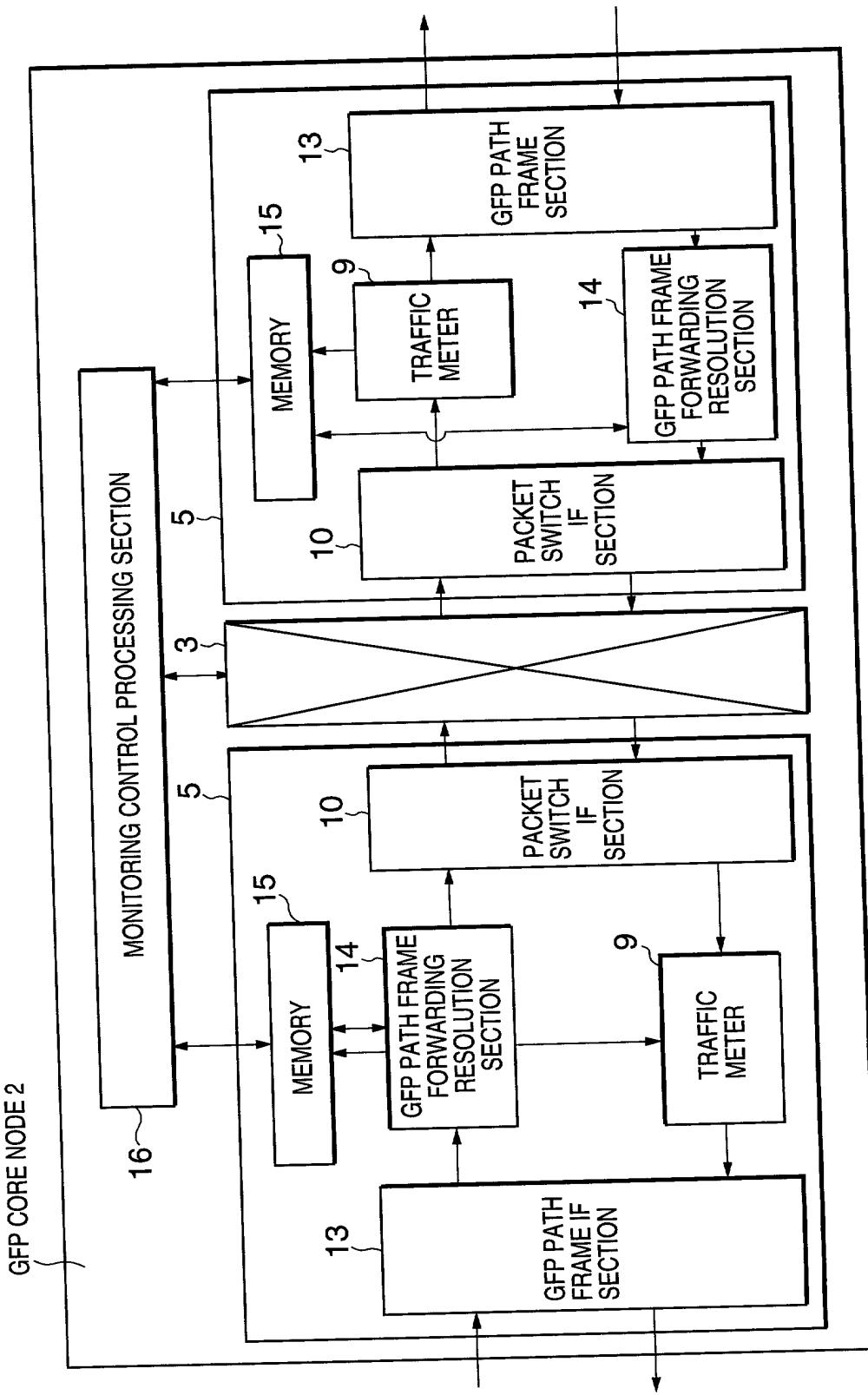


Fig. 17

GFP EDGE NODE E1

ADDRESS CONVERSION TABLE

USER DEST ADDR	SONET DEST ADDR	PATH ID	INGRESS PORT	EGRESS LABEL	EGRESS PORT
A	E3	1	5	1	1
B					
C	E2	2	3	2	2
D	E2	3	4	3	1

GFP CORE NODE C1

TRANSFER TABLE

PATH ID	INGRESS LABEL	EGRESS PORT
1	1	1
3	3	2

GFP CORE NODE C2

TRANSFER TABLE

PATH ID	INGRESS LABEL	EGRESS PORT
1	1	1

GFP CORE NODE C3

TRANSFER TABLE

PATH ID	INGRESS LABEL	EGRESS PORT
2	2	2

(e)

PATH ID	INGRESS LABEL	EGRESS PORT
3	3	2
4	4	2

GFP EDGE NODE E2

TRANSFER TABLE

PATH ID	INGRESS LABEL	EGRESS PORT
2	2	2
3	3	2
4	4	2

(g)

PATH ID	INGRESS LABEL	EGRESS PORT
1	1	1

Fig. 18

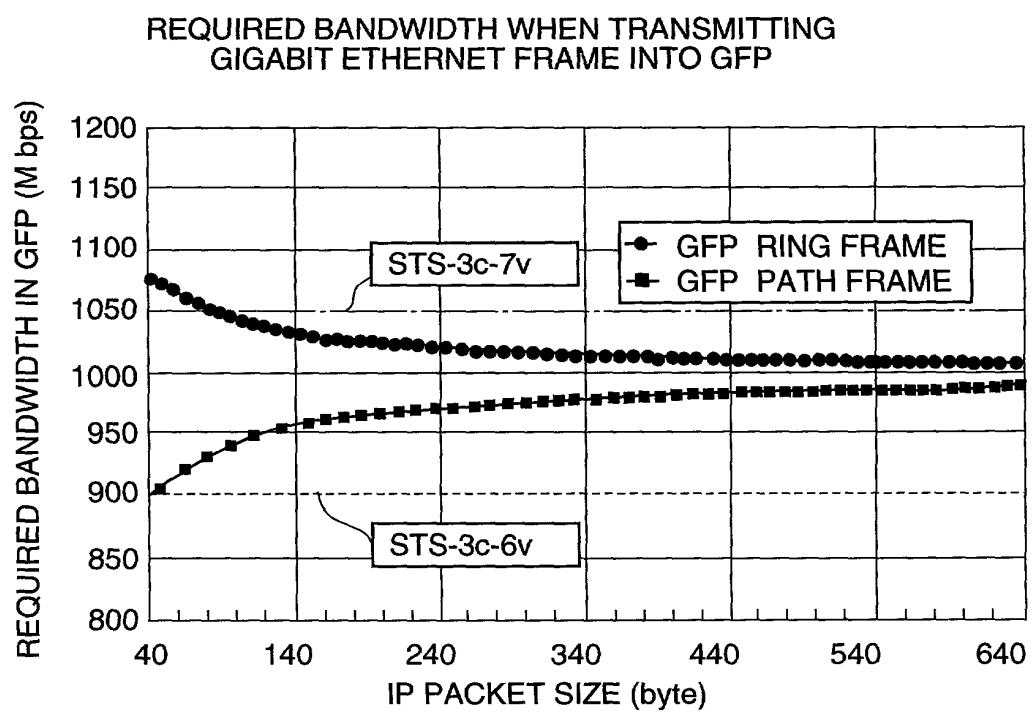


Fig. 19

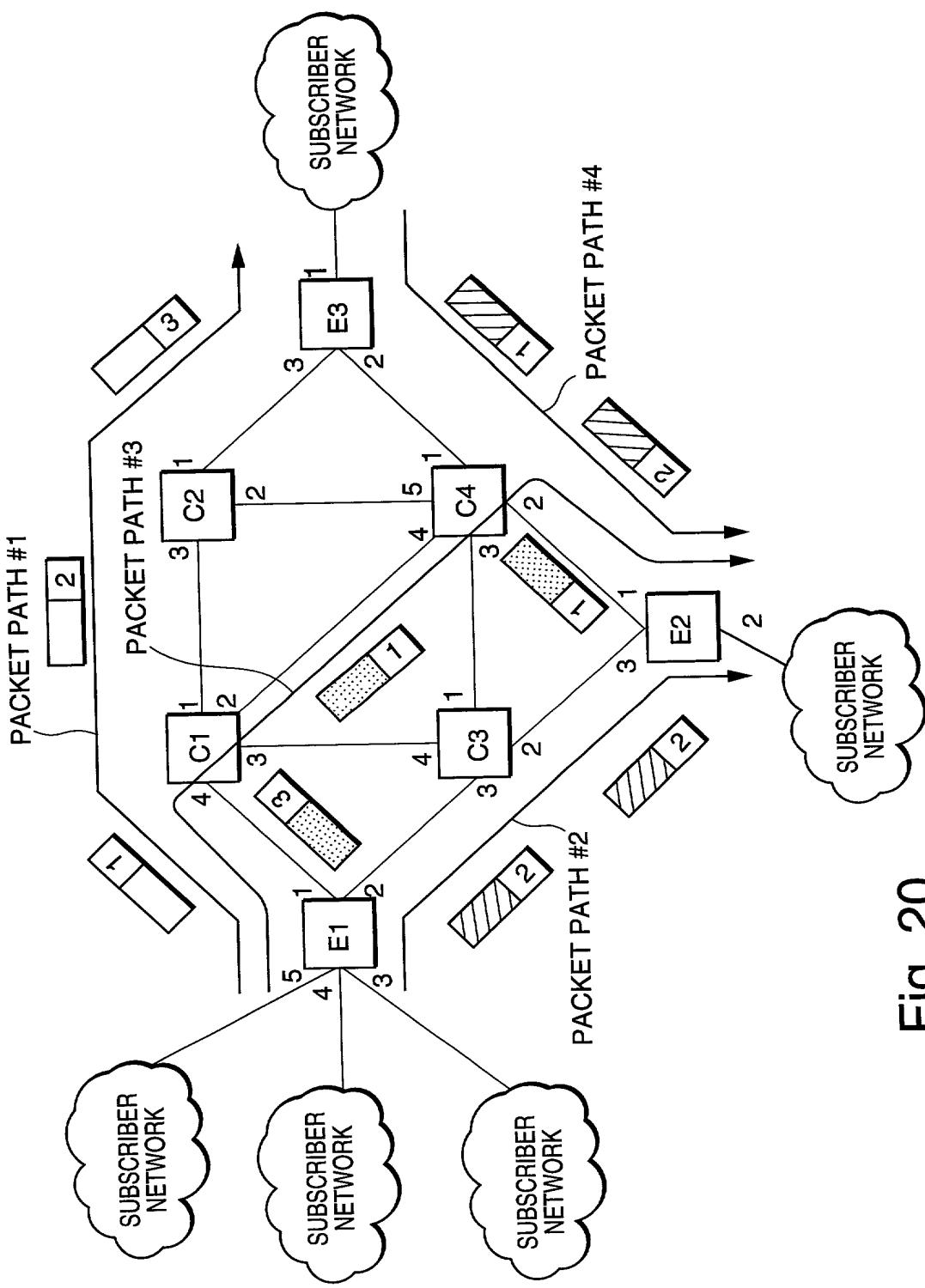


Fig. 20

GFP EDGE NODE E1
ADDRESS CONVERSION TABLE

(a)

USER DEST ADDR	SONET DEST ADDR	PATH ID	INGRESS PORT	EGRESS LABEL	EGRESS PORT
A	E3	1	5	1	1
B					
C	E2	2	3	2	2
D	E2	3	4	3	1

GFP CORE NODE C1
TRANSFER TABLE

(b)

PATH ID	INGRESS LABEL	INGRESS PORT	EGRESS LABEL	EGRESS PORT
1	1	4	2	1
3	3	4	1	2

GFP CORE NODE C4
TRANSFER TABLE

(c)

PATH ID	INGRESS LABEL	INGRESS PORT	EGRESS LABEL	EGRESS PORT
3	1	4	1	2
4	1	1	2	2

Fig. 21

	REQUIRED BANDWIDTH	
	PATH FRAME	RING FRAME
MAXIMUM(IP=40byte)	735Mbps	906Mbps
STS-1(49.92Mbps)	STS-1-15v(748.8Mbps)	STS-1-18v(898.56Mbps)
STS-3c(149.76Mbps)	STS-3c-5v(748.8Mbps)	STS-3c-6v(898.56Mbps)

Fig. 22